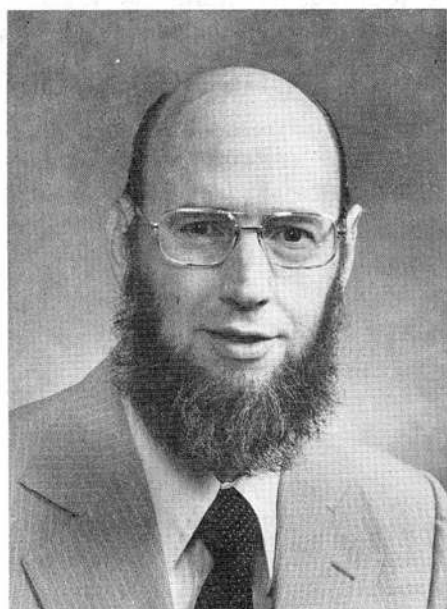


Mynatt, Selby named recipients of Lawrence Award



Fred R. Mynatt



Paul B. Selby

Corporate world of Union Carbide

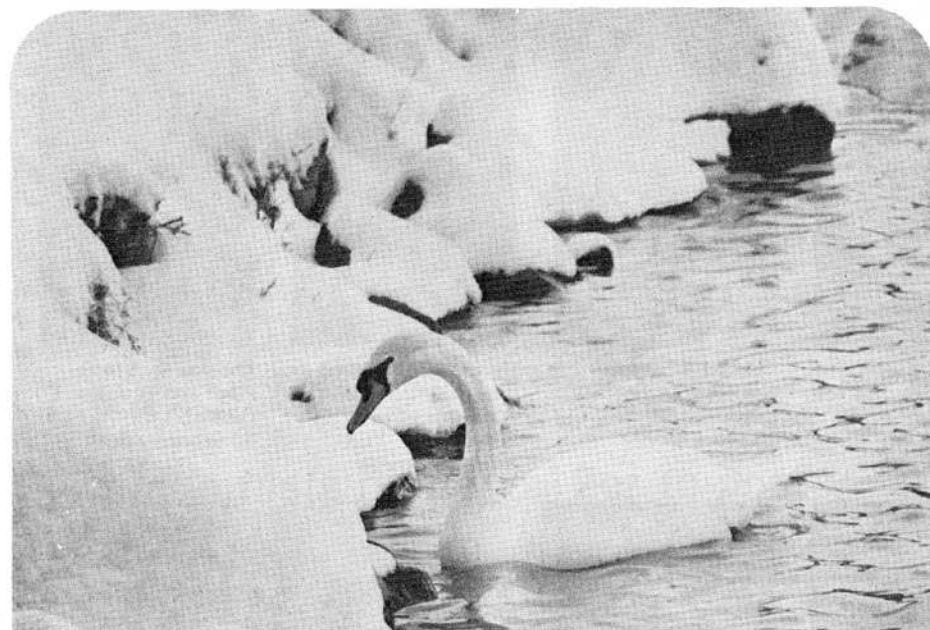
AN \$11 MILLION EXPANSION PROJECT that will double the capacity at its East Hartford, Conn., facility for the production of household plastic wrap and bags, including its market-leading Glad brand products, has been announced by Union Carbide.

The expansion project by the Corporation's Home and Automotive Products Division will be completed by mid-1982. Included is the installation of extrusion and conversion equipment to make Union Carbide's

Glad brand and also non-branded plastic wrap and bags.

The Corporation has similar product facilities in Rogers, Ark., and Cartersville, Ga. Glad drinking straws are manufactured in Southampton, Pa.

Other consumer products made by the Home and Automotive Division are Prestone II winter-summer auto coolant lines of Prestone, Union Carbide, and Simoniz car care products, including polishes, brake fluids, engine tune-up chemicals and ice fighters.



In this issue...

"This was worse than the winter of 1889" could very well describe last week's arctic air that took Nuclear Division employees a while to get over. Maintenance crews hit the streets early to salt and clear away the dangerous ice and snow. Above, one of ORNL's swans seems unconcerned by the frigid conditions. Crews are pictured on page 4.

Other features:

Question Box page 5
Sharpshooters take awards page 7

Fred R. Mynatt, director of the ORNL Instrumentation and Controls Division, and Paul B. Selby, research staff member in the ORNL Biology Division, have been named two of five scientists to receive the 1981 Ernest Orlando Lawrence Memorial Award for outstanding contributions in the field of atomic energy.

Recipients of the award receive a medal, a citation and a \$5000 cash award. Other 1981 winners include Martin Blume, Brookhaven National Laboratory; Yuan T. Lee, University of California, Berkeley; and Lowell L. Wood, Lawrence Livermore National Laboratory.

This marks the second time in the history of the award that two Nuclear Division staff members have been honored during the same year, and brings the number of Division award winners to 13.

The award was established in 1959 to perpetuate the memory of Ernest O. Lawrence, inventor of the cyclotron and director of the two laboratories named for him at Berkeley and Livermore, Calif.

Selection of recipients

The Lawrence Award is presented to U.S. citizens who are early in their careers and have made recent meritorious contributions to the development, use or control of atomic energy. The contributions may be in any area of science related to atomic energy, including medicine and engineering.

Mynatt, an expert in radiation shielding, was recognized for "the development of methods (internationally recognized discrete ordinate methods) and theory (generalized perturbation theory) for radiation shielding analysis and for leadership in the broad application of these methods to create safe and efficient shield designs for reactor plants."

A member of the Nuclear Division staff since 1965, Mynatt also serves as director of all Nuclear Regulatory Commission-sponsored programs at ORNL. Previously, he was head of the nuclear engineering analysis section in the former Neutron Physics Division.

He holds BS, MS and PhD degrees in nuclear engineering from the University of Tennessee. Before coming to Oak Ridge, he worked in the analytical physics group of Pratt and Whitney Aircraft Company's Connecticut Advanced Nuclear Engineering Laboratory.

Major responsibilities

Among his major responsibilities has been coordination of support provided by ORNL following the accident at the Three Mile Island nuclear power plant and the planning of new research programs in response to issues raised by the accident.

His earlier research specialties include radiation shielding, reactor physics and radiation effects of nuclear weapons. He also is the developer of a radiation transport computer program used throughout the world in reactor shielding analysis.

In 1976 Mynatt served as chairman of the ORNL Computer Committee which prepared a long-range plan for the development of these facilities, and he is presently chairman of the ORNL subcommittee on future technology in computing.

Recent honors

He was elected a Fellow of the American Nuclear Society in 1978 and is a past chairman of the society's Radiation Protection and Shielding Division. In 1980 he was honored as an Outstanding Engineering Alumnus by the University of Tennessee.

The Mynatt family lives at 10635 Sandpiper Lane, Concord.

Selby, a biomedical scientist, was honored for "the development of a series of radiation-induced dominant skeletal mutations in the mouse that have important applications for the determination of risk estimates of low-level radiation exposure."

Educational background

A native of Medford, Minn., Selby was graduated summa cum laude from Westmar College, Le Mars, Iowa, with a BA degree in biology. He holds a PhD degree in biomedical sciences from the University of Tennessee, where he was enrolled in the UT-Oak Ridge Graduate School of Biomedical Sciences and did all of his graduate work within ORNL's Biology Division.

He returned to the Biology Division, where he is a member of the mammalian genetics and toxicology section, in 1975 after three years as a research associate at Gesellschaft für Strahlen- und Umweltforschung in Neuherberg, West Germany.

Selby, who has been studying the induction of mutations in mammals

(Please turn to page 8)

ORNL snow pix
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Recent Retirements



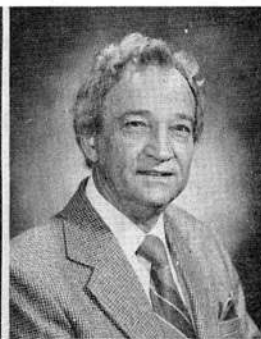
Ben D. Fuqua
Power, Utilities
and Chemicals
Paducah
30 years service



J. Bennie Naive
Maintenance
Paducah
29 years service



William G. Billingsley
Instrument Department
Paducah
29 years service



George O. West
Fabrication Shops
Paducah
37 years service



James B. Smith
Process Maintenance
Paducah
30 years service



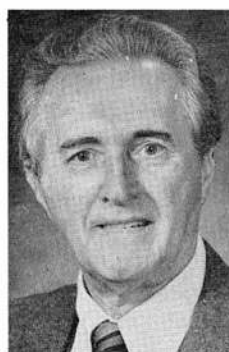
Byron C. Thompson
Instrumentation and
Controls
ORNL
35 years service



Juanita L. McCloud
Employee Relations
ORNL
14 years service



Howard Garrison
General Weld Shop
Y-12
31 years



W. Walter Goolsby
Engineering
ORNL
35 years service



Beryl Fulton Giles
Maintenance
ORGDP
37 years service



Betty D. Martin
Computer Sciences
Y-12
30 years service



Morgan H. Barger
Plant and Equipment
ORNL
26 years service



James W. Jewell
Plant Engineering
Paducah
30 years service



Ernest W. Evans
Plant Engineering
Paducah
38 years service



Wilburn Akers
Machine Shops
Paducah
28 years service



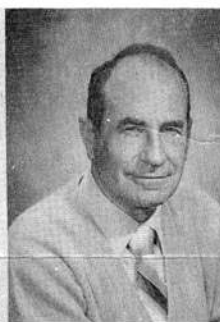
William Canfield
Employee and Personnel
Administration
Paducah
37 years service



Forest R. Edwards
Maintenance Division
Administration
Paducah
30 years service



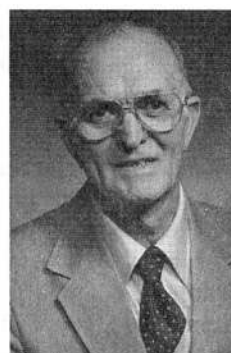
Sherley M. Vance
Process Maintenance
Paducah
30 years service



Earl W. Richardson
Cascade Operations
Paducah
30 years service



George R. Wilson
Analytical Chemistry
ORNL
35 years service



James W. Fox
Utilities Administration
Y-12
37 years service



Willis F. Grigsby
Process Maintenance
Y-12
28 years service



Wallace E. Pierce
Buildings, Grounds and
Maintenance
Y-12
36 years service



Mildred E. Gregg
Chemical Technology
ORNL
28 years service



Herman J. Stripling Jr.
Instrumentation and
Controls
ORNL
31 years service



Thomas R. Steele
Plant and Equipment
ORNL
30 years service



Curtis A. Duff
Timekeeping
Y-12
29 years service



Leonard L. Kilgore
Engineering
ORGDP
9 years service



Willis S. Hansford
Materials Shop
Y-12
27 years service



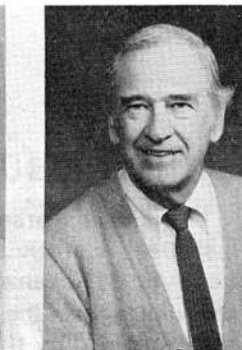
Charles F. Peterson
Beta 4 Assembly
Y-12
31 years service



Malcolm Richardson
Engineering Technology
ORNL
36 years service



George A. Miles
Maintenance
ORGDP
37 years service



Joe R. Walton
Analytical Chemistry
ORNL
33 years service

News About People

Yakel edits crystallography journal

Harry L. Yakel, of the ORNL Metals and Ceramics Division, has been appointed associate editor of the Journal of Applied Crystallography.

Yakel is a fellow of the American Association for the Advancement of Science and the Mineralogical Society of America. He also is a member of Sigma Xi, American Chemical Society, American Crystallographic Association, American Institute of Mining, Metallurgy and Petroleum Engineers and the American Society of Metals.



Yakel

Society for Metals names McClung



McClung

Robert W. McClung, research staff member in the Metals and Ceramics Division at ORNL, has been named a fellow of the American Society for Metals for his contributions to the advancement of nondestructive testing. McClung has developed innovative nondestructive testing techniques, such as immersed and pulse-echo ultrasonics, low-voltage radiography and x-ray attenuation, which today are widely used in quality control laboratories throughout the world.

David chairs ASM welding conference

Stan A. David, staff researcher in ORNL's Metals and Ceramics division, recently served as general chairman of the American Society for Metals (ASM) conference on "Trends in Welding Research in the United States."

Held in New Orleans, the three-day conference identified research activities in arc phenomena, heat flow and distortion, solidification, physical measurements of weldments and advanced welding processes.

David has been a staff researcher with the welding and brazing group in the Metals and Ceramics Division since 1977. A native of India, he received a PhD in metallurgical engineering from the University of Pittsburgh in 1972.



David

He is a member of ASM, the American Institute of Metallurgical Engineers and the American Welding Society. David has been the general chairman of an upcoming ORNL-sponsored conference on "Welding Technology for Energy Applications."

Black chemists name Y-12er to post



Washington

Charles A. Washington, a chemist in the Chemical Processes Depart-

ment of Y-12's Development Division, has been appointed Southeastern Regional chairman of the National Organization of Black Chemists and Chemical Engineers (NOBCCHE).

NOBCCHE has members throughout the United States, Puerto Rico and the Virgin Islands. It develops programs to "assist Blacks in realizing their full professional potentials in chemistry, chemical engineering and related disciplines; and to promote and assess the impacts of new developments in science and technology."

Johnson, Hartman promoted in Engineering organization

Two appointments have been announced in the Nuclear Division Engineering organization. Ray L. Johnson Jr. has been named head of the Confinement Systems Engineering Department, and William A. Hartman has been promoted to head of the engineering technology section in the Mechanical Technology Engineering Department.

Johnson will be responsible for the management of mechanical engineering design in support of the Fusion Energy Program at ORNL.

A native of Corbin, Ky., he holds a BS degree in chemistry from Georgia Institute of Technology and an AS degree in electronics from Roane State Community College. Johnson joined Union Carbide in 1959 as a development engineer and since 1976 has been a design engineer and section head in the Research Engineering organization.

He and his wife, the former Charlotte Ann Burns, live at 103 Briar Road, Oak Ridge. They have four children.

Hartman, who holds a BS in nuclear engineering and an MS in engineering science from the University of Tennessee, is a native of Lebanon, Pa. In his new assignment, he will be responsible for mechanical design supporting the ORNL Engineering Technology Division.

Hartman joined ORNL in 1962 and has been a design engineer in Engineering since 1976. He previously worked in reactor design for Combustion Engineering, Windsor, Conn., and for Westinghouse Corporation in Madison, Pa.

He holds memberships in the National Society of Professional



Johnson



Hartman

Engineers, the American Society of Mechanical Engineers, and Tau Beta Pi.

He and his wife, the former Evelyn Parker, live at Route 3, Clinton.

Patent granted

Richard A. Todd, ORNL, for "Compensated Count-Rate Circuit for Radiation Survey Meter."

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CARBIDE

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ORGDP
Ruby A. Miller, 574-8092

PADUCAH
Darlene M. Mazzone, Bell 208



Frances J. Wright, ORNL
Laboratory Protection Division.

INTERNATIONAL ASSOCIATION
OF BUSINESS COMMUNICATORS

Maintenance crews battle bone-chilling (but beautiful) cold

Snow and ice, sub-zero weather and all the bone-chilling aspects of winter descended on Nuclear Division facilities in January. Facility maintenance crews hit the street while other employees fought frozen pipes at home or tried to start automobiles. Crews were called out at 4 a.m. to clear sidewalks and salt steps and approaches to the working areas. "They dressed properly, and did their job," one maintenance supervisor said. "It's our responsibility."

Although the snow and frigid weather meant hard work and frustration for some, it also turned the area into a winter wonderland, as some of these photos show.



Tony Hall, ORNL



Lonnie Ellison, ORGDP



E. L. Woods,
Bea Hatmaker, ORGDP



Bryan C. Lamb, ORNL



Johnny L. Metcalf, Y-12



Terry D. Currier, Y-12



Charles E. Heth, Y-12



What is current status of Matching Gifts Program?

QUESTION: Union Carbide recently announced a Matching Gifts Program wherein the Corporation will match gifts from \$50 to \$1000 to colleges and universities. What has been the response?

ANSWER: Since Union Carbide's Matching Gift Program went into effect September 1, the Corporation has donated more than \$50,000 to educational institutions. Combined with employees' contributions of the same amount, 188 different colleges and universities are benefiting from the donations. About two-thirds of this amount is going to private schools, with the balance being received by public institutions.

The Corporation matches, dollar for dollar, each contribution an employee makes of \$50 or more up to \$1000 annually. Securities also may be donated and are matched at market value on the day given to the institution.

Matching Gift forms are available at each of the Nuclear Division's Benefit Plans offices. The employee sends a contribution to the school of his/her choice with the form; the school, in turn, forwards it to the University Relations Department in the New York Office. For employees' gifts to be matched this year, these forms should be sent in as soon as possible.

Additional information on the program may be obtained from any of the four Benefit Plans offices.

Employee request

QUESTION: Would the company honor a deceased employee's request that his ashes be spread over the plant in which he worked?

ANSWER: There is a Tennessee law which prohibits the spreading of the remains of a human body, which includes ashes, in any public place. In view of this statute, we would not be able to honor such a request.

ORNL's Claude Thompson cited for quick action in rescue

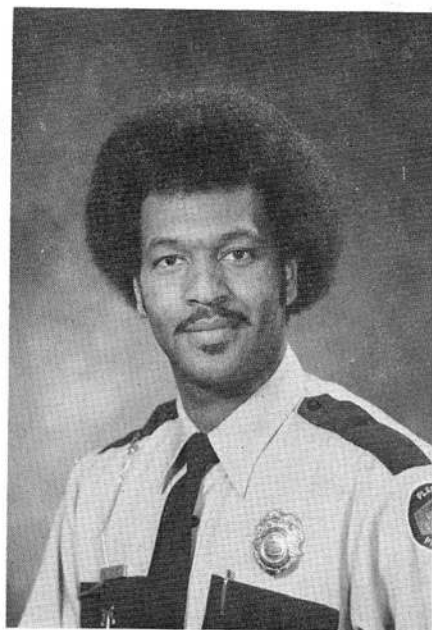
ORNL Security Inspector Claude Thompson has been commended by management for his "alertness and quick thinking" when he pulled a woman from a burning automobile while making his rounds on a recent evening shift.

Thompson, who has been a member of the Laboratory Protection Division staff since 1977, was driving west on Bethel Valley Road when he noticed lights between the road and the ORNL main entrance. "At first, I thought it was some construction workers up on the hill (where the Visitor Overlook is under construction). As I passed, I realized that there was a vehicle off the road and that it was burning, so I called the dispatcher and requested a fire truck," he said.

"As I was turning my truck around, I saw that there was a lady in the car. "Then I turned off the ignition, and tried to find out if she was seriously hurt," he said. The woman, who had been injured when her vehicle left the road after failing to make a curve, was bleeding heavily from the nose and apparently in shock.

Thanks to Thompson's quick call to the dispatcher's office, help arrived rapidly. ORNL Captain David Jackson and others helped move the injured woman away from the car, while the Fire Department put out the blaze.

The woman, a Concord resident, was taken by ambulance to the Oak



Thompson

Ridge Hospital, where she was later released. She did not suffer any serious injury.

According to Laboratory Protection Division Director W. Charles Kuykendall, Thompson's "quick thinking in recognizing a dangerous situation and his actions in minimizing the possibility of a fatality are indeed worthy of recognition. His assistance in removing the woman from the car was accomplished with considerable risk to himself; however, he did not let this stop him from acting quickly and decisively."



1982 QA WEEK PLANNED — "QA is Thinking Quality In..." is this year's theme for Quality Assurance Week, March 7-13. A variety of activities, including a "guess the slogan" contest, is planned. Members of the QA Week Committee include, from left, Earl L. Allred, Engineering; Robert J. Mustin, Y-12 Assembly; Barry Chapman, Paducah; Max Sparks and R. S. "Bud" Leete, Y-12 Quality Division; and Chairman Robert D. Bryant, Engineering. Other members of the committee are Ruby A. Miller, Public Relations; Paul B. Burn, ORNL; and David L. Beshears, ORGDP.

Anniversaries

Y-12

35 YEARS

Arnold R. Agee, M-Wing Shop; and Thomas H. McDonald, Alpha 5 West Shop.

30 YEARS

Byron H. Hale, Engineering; Arvin E. Huskisson, G 3 Processing; Howard L. Wagner, Materials Forming; and Chester E. Crowe, M-Wing Shop.

25 YEARS

Frederick H. Frank, Owen L. Duncan, Morgan H. Carter Jr. and Francis E. Ryan.

20 YEARS

Carl D. St Onge, Wayne L. Oaks, Charles K. Endsley, Samuel E. Bullen, Jymme W. Armstrong, Barbara L. Littleton, Jimmy R. Davis, Robert P. Lucke, Ernest L. Martin and John M. Reed.

ORGDP

35 YEARS

Richard J. Magyar, Engineering; Martha R. Mourfield, Computer Sciences; and George W. Robinson Jr., Technical Services.

30 YEARS

Evelyn M. Bostic, General Accounting; Willard C. Brock, Enrichment Technology; Ernest F. Brown, Separation Systems; Warren F. Brown, Maintenance; Benjamin L. Fike, Maintenance; John C. Human, Purchasing; Charles D. Maples, Operations; Clayton E. Mathis, Separation Systems; William A. Moles, Engineering; Willis E. Muldrew, Operating Contractor's Project Office; Ralph E. Patterson, Finance, Materials and Services; Bobbie C. Robinson, Plant Managers; Maxine F. Thompson, General Accounting; David E. White, Enrichment Technology; and Edward M. Zukowski, Engineering.

20 YEARS

John M. Berry, Paul H. Brandon Sr., Charles E. Burger, William H. Jarvis Sr., and William J. McClain.

25 YEARS

Beulah P. Barbee, Clinton C. Courtney, Glenn C. Nelson and Ridley W. Ray.

ORNL

35 YEARS

Robert E. Alexander, Laboratory Protection; Charles D. Cagle, Operations; George C. Warlick Jr., Finance and Materials; Eugene F. Roy, Plant and Equipment; Ruth R. Slusher, Computer Sciences; James H. Bridges, Laboratory Protection; Robert E. Jones, Analytical Chemistry; Roland K. Abele, Instrumentation and Controls; Roy L. Towns, Chemical Technology; and H. Brooks Graham Jr., Operations.

30 YEARS

John W. Fritz, Plant and Equipment; William A. Lindsey, Chemical Technology; James L. Botts, Analytical Chemistry; Robert L. Shepard, Instrumentation and Controls; Bryce Philpot, Analytical Chemistry; Julia T. Cox, Health and Safety Research; Lloyd L. Hall, Metals and Ceramics; Clifford A. Burchsted, Engineering Technology; Everett L. Halstead, Engineering; John H. Pemberton, Industrial Safety and Applied Health Physics; John H. Moore, Operations; John W. Dye, Operations; Gary M. Henderson, Analytical Chemistry; and Ethel L. Cagle, Information.

25 YEARS

Donna R. Watkins, Joseph J. Vogt, Rosemary S. Lockyer, Edward Sonder, Martha M. Larsen and Maurice H. Kunselman.

20 YEARS

Hugh R. Brashear, James E. Turner, Marjorie S. Williams, Pearl N. Coffee, Barbara H. Estes and Ray L. Pearson.

Personal computer group formed

If you own a personal computer such as Apple, Atari, commodore, HP or TRS-80, then you may want to join the Nuclear Division Personal Computers Group. The group's monthly meetings will consist primarily of software and hardware demonstrations. The group intends to maintain a library of your favorite software and manuals. Help us get started. Send in your membership questionnaire.

PERSONAL COMPUTERS GROUP MEMBER QUESTIONNAIRE

NAME: _____

COUNTY OF RESIDENCE: _____

WORK PHONE: _____ HOME: _____

TYPE OF COMPUTER: _____

Send to Dave Hayes, MS-313, K-1600

For more information, call Dave at 4-8070 or John at 6-2488.
All those interested are welcome.

Bowling alley notes...

Family Mixed...

High scratch scorers in the Carbide Family Mixed League saw Dick Smith roll singles of 209, 253; and Mary Gallups, 187 and 252. In series scoring it was Dan Chablee, 515 and 644; Edith Duckworth, 467; and Lillie Donald, 632.

Carbide Wednesday...

The Remkeys eked out a win in first-half standings, a bare three points ahead of the Sue's Sooners. Weekly highs went to the first-half champs with a 3159 handicap total. John Jones rolled a 592 scratch series; Bobby Rutherford a 235 single. In handicap scoring, it was John Peer, 685; and Glenn McNabb, 278. Phil Manos and Dave Stacy maintained averages of 190 for highs there.

Classic League...

The Ridgers (Del Ducay, Billy

Patrick, C. R. Lively, Wayne Groppe and Joe Morgan, with Ray Smith subbing sometimes) took the first-half crown in the Classic Bowling League, one of the oldest in the business. Recent weekly highs went to E. J. Walker with a 702 handicap series; followed by Wayne Groppe, with a 677. Single highs were rolled by Walker, 291; and Billy Patrick, 260.

ORNL A...

Elwoods Chargers (Phil McCulley, Greg Holton, Bob Hagood, Gerry Case, Bobby McKnight, Nick Case and Norm Teasley) took the first-half crown in the ORNL A Bowling League. Recent highs went to Phil McCulley, 688 handicap series; Larry Hammonds with a 280 game. Scratch honors went to Ray Smith, with a 253 single. Dave Stacy kept the highest average in the league, a rollicking 189.

Save Energy / Share The Ride

ORNL

VAN POOL RIDER NEEDED from West Knoxville area (Bearden through Farragut) to main portals, 8-4:30. Dean Treadway, plant phone 4-6580; home phone 584-4879.

RIDE NEEDED from Oak Ridge Highway between Karns and Solway to East Portal, 8:15-4:45. Peterson, plant phone 4-4483; home phone 690-3989.

EMPLOYEES TAKING CLASSES AT UT: Interested in joining or setting up a car pool? Send name and class schedule to G. S. Zachry, MS-B8, 4500N, ORNL (phone 6-6755). Schedules will be copied and distributed to others taking classes. Please include self-addressed plant mail envelope and send as soon as possible.

CAR POOL MEMBER NEEDED from Cedar Bluff/Walker Springs area, West Knoxville, to East or West Portal (prefer West), 8-4:30. Dana Jennings, plant phone 4-4400; home phone 690-4649.

ORGDP

JOIN or FORM CAR POOL from Belmont West/Gulf Park subdivisions, West Knoxville, to Portal 1 or 2, 7:45-4:15 or 8-4:30. Elena, plant phone 4-8722; home phone 691-0866.

Y-12

VAN POOL RIDERS from Fountain City, Inskip, Norwood and Powell Shopping Center, to all portals, 8-4:30 shift. Bill Moyers, plant phone 4-3195; home phone Knoxville 689-4087.



CHILDREN'S PARTY AT PADUCAH — Children of Paducah employees enjoyed a visit from Santa Claus at their annual party held early in December.

Safety Scoreboard

Time worked without a lost-time accident through January 14:

Y-12 Plant	58 Days	1,898,000 Employee-Hours
ORGDP	216 Days	5,725,919 Employee-Hours
ORNL	614 Days	14,306,427 Employee-Hours
Paducah	534 Days	4,744,000 Employee-Hours

Division sharpshooters excel in recent firearms competition

Security Inspectors from all four Nuclear Division plants placed in the annual weapons tournament. The competition is designed to show levels of skill in firearms safety and the care, daily use and tactical use of weapons.

Primary areas of competition were in the 100-yard rifle shooting contest, the shotgun course and the National Rifle Association police combat pistol course. Awards were given in individual and four-man team categories.

Receiving awards in overall competition were ORGDP Security Inspectors Doug G. Nelson and Mike Walls, who scored first and third, respectively; David M. Rimmer, Y-12, who took second place; and P. B. (Gail) McGaughey, who captured first overall among the women participants. Roy V. Hamby, Y-12, won the overall skeet championship.

Those scoring first, second, third and fourth highest in the pistol, shotgun and rifle competitions were

named master, expert, sharpshooter; and Jerry Sams, ORGDP, marksman.

Winners in the shotgun competition were Gary L. Miller, Y-12, master; Richard A. Riggs, ORGDP, expert; David Rimmer, Y-12, sharpshooter; and Jerry Sams, ORGDP, marksman. ORGDP inspectors took all four classes in the rifle competition. Doug Nelson was named master; Richard Riggs, expert; Mike Walls, sharpshooter; and Jerry Sams, marksman.

ORGDP also took the Nuclear Division's overall championship by capturing first and second places in the team matches. Y-12 took third place honors. Al L. Brashears, Doug Nelson, Richard Riggs and Mike Walls led their ORGDP team to victory, while contenders Wayne W. Patrick, Gary L. Reynolds, Jerry Sams and Clint H. Simmons held the second-place position. Y-12 third-place team included Randy Jones, Gail McGaughey, Gary Miller and Wayne Pierce.



ORGDP SHARPSHOOTERS — Tournament winners and supervisors included, from left, H. Wayne Patrick; Mike E. Walls; Scotty L. Dowdell; Harry L. Williams, team captain; Richard A. Riggs; William J. DeRossett, head of the Plant Protection Department; O. Lynn Calvert, manager of the Security and Plant Protection Division; Jerry Sams; Sam A. Thompson, chief, Guard Department; and Clint H. Simmons.

Weber appointed to Paducah post



Weber

William K. Weber has been appointed to head the Personnel Services Department at the Paducah Plant. He will be responsible for the labor relations and wage and salary functions.

A native of Texas, Weber graduated from Southwestern at Memphis with a BS in political science and earned a juris doctorate from the University of Tennessee in 1973, at which time he joined Union Carbide at ORGDP.

He and his wife, Melinda, live on Whipporwill Lane in Paducah with their two children.



Y-12 WINNERS AND COWORKERS — Members of Y-12's Guard Department line up before their trophies were issued with coworkers. From left are Chief James H. Shoemaker, Debbie Rowland, George Cobham, Superintendent; Randall E. Jones, Mike Rimmer, Gail McGaughey, Gary L. Miller, Thelma M. Nolen, Jerry D. Bowman, Robin E. Armes, Marion Wampler and Wayne D. Pierce.

Key named to Separation Systems post

William S. Key has been appointed manager of the centrifuge physics department, Separation Systems Division, at ORGDP.

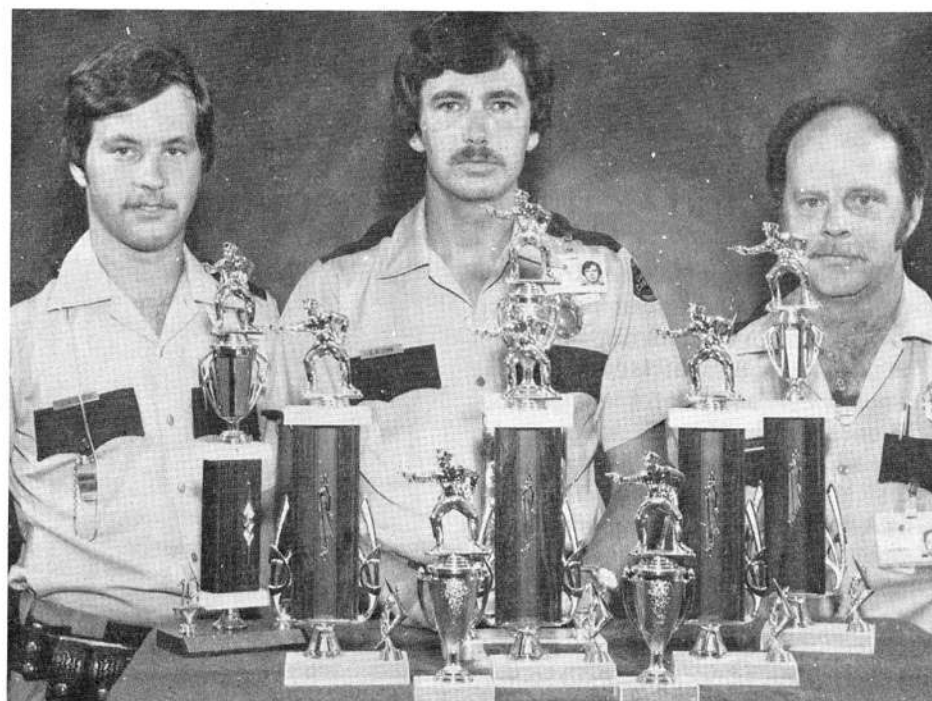
Key was born in Maysville, Ky., but grew up near Hendersonville, N.C. He received a BS degree from North Carolina State University in 1967 and an MS degree from the University of Alabama in 1973. Both degrees are in physics.

He joined the Nuclear Division in 1976. Previously, he was employed by Teledyne-Brown Engineering Company in Huntsville, Ala., where he worked on the Skylab and Apollo-Soyuz space missions.



Key

Key and his wife, Katherine, live on Viking Drive, Knoxville, with their son and daughter.



PADUCAH MARKSMEN — From left are S. W. Smith, S. B. Lynn and T. D. Norment, marksmen from Paducah. Smith took second place in matches at the Midwest Region Competition in Granite City, Ill., recently; Lynn won first place in matches three and five at the Dogwood Arts Festival in Knoxville, first place also in two matches at Granite City, as well as second overall shooting there. Norment won third place as overall marksman in the Dogwood Arts Festival competition.

Avoiding rear-end auto collisions

According to the National Safety Council, being struck from the rear while stopped in traffic accounts for some 70 percent of rear-end auto collisions. This may happen, for example, while you are stopped behind a driver who intends to make a left turn. These precautions are recommended to avoid being struck from the rear while stopped in traffic:

- 1) Keep your foot on the brake to activate the brake lights.
- 2) Stop at least 10 feet behind the car ahead to prevent any domino effect. A good way to do this is to stop so that you can see the rear tires of the car ahead.
- 3) Keep lights on at dusk or in rain and snow.

Lawrence Award winners

(Continued from page 1)

for a number of years, has developed a new approach for studying mutations caused by radiation and chemicals. His technique involves measuring structural damage to the skeletons of the offspring of mice that have been irradiated or exposed to chemicals. Because this type of damage can be more easily related to human hereditary disorders than can other types of mutations that have been studied, his data have been used by national and international commissions in estimating the genetic hazard to humans from radiation. Some recent modifications in his technique could result in rapid advances in understanding the genetic effects of radiation and chemicals.

In addition to his mutation research, he has been involved with the "Gene-Tox" project, a DOE-Environmental Protection Agency program for evaluating the current status of genetic toxicology bioassays.

Selby has been active on various committees of the National Research Council, serving as a member of the Committee on the Biological Effects of Ionizing Radiations and as a member of the Subcommittee on Genetic Effects, and as a consultant to the Committee on Chemical Environmental Mutagens. He is a member of the Genetics Society of America and the Environmental Mutagen Society. In 1977 he received the distinguished alumnus award from Westmar College.

He and his wife, Patricia, and their two daughters live at Route 3, Laurel Road, Clinton.

A special award presentation will be held in Washington in February.

Previous Nuclear Division recipients of the Lawrence Award are Alvin Weinberg, Floyd Culler, Arthur Upton, Paul Vanstrum, John Googin, John Storer, James Weir, Chester Richmond, Pete Lotts, Dean Waters and Charles Scott.



QA AWARD — James L. Maner, center, accepts the special ORNL Quality Assurance Award from Laboratory Protection Division Director W. Charles Kuykendall. At right is Robert L. Atchley, Fire Department supervisor.

Fire truck operator receives ORNL Quality Assurance Award

James L. Maner, a fire truck operator in the ORNL Laboratory Protection Division, recently received the Quality Assurance Recognition Award.

Maner was recognized for his discovery that the process used to transfer air from a storage truck to a self-contained breathing apparatus could result in moisture-contaminated air. This could cause

condensation in breathing air cylinders used by safety personnel. Further investigation determined that Maner was correct about the possible hazard, and proper precautions were taken.

The Quality Assurance Recognition Awards are given to employees who act to prevent problems and maintain quality.

Mrs. Goley dies prior to retirement

Lou Emma Goley, Y-12 Building Services, died December 21, in Lenoir City, a week before she was to retire. A native of that area, she joined Union Carbide in 1945.

Survivors include her son, William A. Goley, two grandchildren; a sister, Bernice Hackler, Knoxville; brothers, William H. and John Goley, both of Lenoir City.

Funeral services were held at the Hawkins Mortuary Chapel, with burial in Martel Cemetery.



Mrs. Goley



David, Robertson, Haltom and Vitek

Metals and Ceramics staffers honored

Several staff members from the ORNL Metals and Ceramics Division have been honored for presentations at the International Metallographic Society Exhibit in San Francisco, co-sponsored by the Society and the American Society for Metals.

A poster describing applications of optical microscopy received first place in the "Iron, Steel, Stainless Steel, Nickel and Nickel Alloys Class." It was the work of Stan A. David, John M. Vitek, C. Paul Haltom and Rosemary C. Robertson. A poster by Vinod K. Sikka and C. W. Houck won second-place honors in the same class.

Another poster entered by Phil S. Sklad and James Bentley took first-place honors in the "Analytical Elec-



Sklad and Bentley

tron Microscopy Class." F. Bill Wiffen, Bruce L. Cox and Tommy J. Henson won third-place honors for their poster in the "Scanning Electron Microscopy Class."



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